

IN THE CLAIMS:

1-287 (cancelled).

288. (new) An anchor for attaching to a stomach wall of a stomach, the anchor comprising:

a functional portion configured to perform a therapeutic or diagnostic function at the stomach; and

a securing portion operative to extend from within the stomach into the stomach wall in a direction substantially perpendicular to a plane of smooth stomach muscle contractions to thereby secure the attachment device to the stomach wall.

289. (new) The anchor of claim 288 wherein said functional portion comprises a sensor.

290. (new) The anchor of claim 289 wherein said sensor comprises an electrode.

291. (new) The anchor of claim 289 wherein sensor comprises a pH sensor.

292. (new) The anchor of claim 289 wherein said sens comprises a temperature sensor.

293. (new) The anchor of claim 289 wherein said sensor comprises a pressure sensor.

294. (new) The anchor of claim 289 wherein said sensor comprises a strain gauge.

295. (new) The anchor of claim 289 wherein said anchor further comprises an electronic circuit including a telemetry circuit configured to communicate information sensed by said sensor to an external receiver.

296. (new) The anchor of claim 288 wherein said functional portion comprises a therapeutic device.

297. (new) The anchor of claim 288 wherein said functional portion comprises a therapeutic agent delivery device.

298. (new) The anchor of claim 288 wherein said securing portion includes an electrode located thereon.

299. (new) The anchor of claim 298 further comprising electronic circuit configured to provide electrically stimulating pulses to a stomach wall through said electrode.

300. (new) An anchor for attaching to a stomach wall of a stomach, the anchor comprising:

a functional portion configured to perform a therapeutic diagnostic function at the stomach; and

a securing portion having a proximal portion and a distal portion having an expandable portion wherein the securing portion is operative to extend from within the stomach into the stomach wall with the proximal portion remaining in the stomach and the distal portion extending at least in part through the stomach wall to with the expandable portion expanded to thereby secure the anchor to the stomach wall.

301. (new) The anchor of claim 300 wherein said expandable distal portion comprises at least one laterally extending member.

302. (new) The anchor of claim 301 wherein said at least one laterally extending member is configured to secure the anchor to the stomach wall.

303. (new) The anchor of claim 301 wherein said at least one laterally extending member comprises an electrode located thereon.

304. (new) The anchor of claim 300 wherein said expandable distal portion comprises an inflatable member.

305. (new) The anchor of claim 304 further comprising:  
an inflation lumen in fluid communication with said inflatable member and an inflation medium for inflating said inflatable member.

306. (new) The anchor of claim 305 wherein said inflation medium comprises a curable polymer.

307. (new) The anchor of claim 300 wherein said expandable distal portion comprises a spring mechanism biased in an expanded position.

308. (new) The anchor of claim 300 wherein said expandable member is arranged to expand adjacent an outer surface of the stomach wall.

309. (new) The anchor of claim 300 wherein said securing portion further comprises a bumper arranged to engage said attachment device so that said bumper abuts the inner surface of the stomach wall.

310. (new) A method of attaching a stimulating electrode to a stomach wall comprising the steps of:

providing an anchor including a securing portion;

advancing the anchor through the esophagus and towards an attachment site within the stomach, and attaching the anchor to the attachment site;

providing an electrically stimulating electrode;

advancing the electrically stimulating electrode through the esophagus and towards a stimulating site within the stomach;

positioning the electrically stimulating electrode in electrical contact with the stomach wall.

311. (new) The method of claim 310 wherein the step of attaching the electrically stimulating electrode to the stimulating site comprises: attaching the electrically stimulating electrode to the stimulating site so that the electrode is coupled to the anchor.

312. (new) A method of attaching a functional device to a stomach wall of a stomach wherein the functional device is configured to provide a therapeutic or diagnostic function at the stomach, the method comprising the steps of:

providing an anchor including a securing portion;

advancing the anchor through the esophagus and towards an attachment site within the stomach;

providing a functional device through the esophagus and towards an attachment site;

and attaching the functional device to the anchor.


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Respectfully submitted,

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